#### CONCORDE BATTERY CORPORATION

## FOR INSTALLATION OF CONCORDE FLA OR VRSLA RG SERIES BATTERY

			~		×								
3	12		10	9	8	7	6	O1	4	ω	2	_	Item
Piper	Aircraft Make												
PA-18S "135"	PA-18S "125"	PA-19S	PA-18S	PA-18 "105" (Special)	PA-18A "135"	PA-18A	PA-18 "135" (Army L-21B)	PA-18 "125" (Army L-21B)	PA-19 (Army L-18C)	PA 18	PA-12S	PA-12	Aircraft Model Serial No
		-							19-1 through 19-3	18-1 through 18-7632	12-1 and up	12-1 and up	Serial No
TC 1A2	TC A-780	TC A-780	Original Type Certificate Number										
CAR 3	Certification Basis for Alteration												
Drawing No. 5-0157, Revision A, dated 12/09/02	Installation Instructions												
N/A	AFM Supplement Date												
Original	AML Amendment Date												

#### CONCORDE BATTERY CORPORATION

## FOR INSTALLATION OF CONCORDE FLA OR VRSLA RG SERIES BATTERY

				_				
22	21	20	19	≅	17	16	15	14
Piper	Piper	Piper	Piper	Piper	Piper	Piper	Piper	Piper
PA-20	PA-18A "150"	PA-18A "135"	PA-18A	PA-18S "150"	PA-18A "150"	PA-18 "150"	PA-18AS "135",PA-18S "105"	PA-18AS "125"
20-1 and up	18-8309025	18-3786 through 18- 9105 and 18-7309016 through	18-677, 18- 770, and 18-262 through 18- 3779	1809001 through 1809113	18-7309016 through 18- 8309025	18-3771, 18- 3781,through 18-9015		
TC 1A4	TC AR-7	TC AR-7	TC AR-7	TC 1A2				
CAR 3	CAR 8.10(b)	CAR 8.10(b)	CAR 8.10(b)	CAR 3				
Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Original	Original	Original	Original	Original	Original	Original	Original	Original

#### CONCORDE BATTERY CORPORATION

## FOR INSTALLATION OF CONCORDE FLA OR VRSLA RG SERIES BATTERY

36	35	34	္သ	32	31	30	29	28	27	26	25	24	23
Piper													
PA-23	PA-22-108	PA-22S-160	PA-22-160	PA-22S-150	PA-22-150	PA-22S-135	PA-22-135	PA-22	PA-20 "135"	PA-20S "135"	PA-20S "115"	PA-20S	PA-20 "115"
23-1 through 23-182	22-8000 and up	22-2378, 22- 2425 and up	22-534 and up	22-534 and up	22-1 and up	20-877 and up	đ		0	20-1 and up			
TC 1A10	TC 1A6	TC 1A4											
CAR 3													
Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dáted 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02											
N/A													
Original													

#### CONCORDE BATTERY CORPORATION

### FOR INSTALLATION OF CONCORDE FLA OR VRSLARG SERIES BATTERY

45	4	43	42	41		40	39	38	37
Piper	Piper	Piper	Piper	Piper		Piper	Piper	Piper	Piper
PA-24-260	PA-400	PA-24-250	PA-24	PA-23-250		PA-E23-250	PA-23-235	PA-23-250 (Navy UO-1)	PA-23-160
24-3642, 24- 4000 through 24-5034	26-2 through 26-148	24-1, 24-103 through 24- 3687	24-1 through 24-3687	27-7654001 through 27- 8154030	27-7304917 through 27- 7554168	27-2505 through 27- 4916.	27-205 through 27- 622	27-1 through 27-4916, 27-7304917 through 27- 7554168	23-1177, 23- 1183 through 23-2046
TC 1A15	TC 1A15	TC 1A15	TC 1A15	TC 1A10		TC 1A10	TC 1A10	TC 1A10	TC 1A10
CAR 3		CAR 3	CAR 3	CAR 3	CAR 3				
Drawing No. 5-0157, Revision A, dated 12/09/02	i i	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02				
N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A
Original	Original	Original	Original	Original		Original	Original	Original	Original

#### CONCORDE BATTERY CORPORATION

## FOR INSTALLATION OF CONCORDE FLA OR VRSLA RG SERIES BATTERY

51	50	49	48	47	46
Piper	Piper	Piper	Piper	Piper	Piper
PA-25-260	PA-25-235	PA-25	PA-25-260	PA-25-235	PA-25
25-4415 through 25- 5521 and 25-7305522 through 25- 8156024	25-02, 35- 2000 through 25-5521 and 25-7305522 through 25- 8156024	25-1 through 25-731	25-4415 through 35- 5521 and 25-730522 through 25- 8156024	25-02, 25- 2000 through 25-5521 and 25-730552 through 25- 8156024	25-1 through 25-731
TC 2A10	TC 2A10	TC 2A10	TC 2A8	TC 2A8	TC 2A8
CAR 8.10(b)	CAR 8.10(b)	CAR 8.10(b)	CAR 3	CAR 3	CAR 3
Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02
N/A	N/A	N/A	N/A	N/A	N/A
Original	Original	Original	Original	Original	Original

#### CONCORDE BATTERY CORPORATION

## FOR INSTALLATION OF CONCORDE FLA OR VRSLA RG SERIES BATTERY

57	56	55	2	53	52
Piper	Piper	Piper	Piper	Piper	Piper
PA-28-235	PA-28-180	PA-28S-160	PA-28-180	PA-28-150	PA-28-160
28-10001 through 28- 11378 and 28-7110001 through 28- 7210020	28-671 through 28- 5859 and 28-7105001 through 28- 7105234	28-03, 28-1 through 28- 1760 and 28-1760A	28-03, 28-671 through 28- 5859 and 28-7105001 through 28- 7205318	28-03, 28-1 through 28- 4377 and 28-1760A	28-03, 28-1 through 28- 4377 and 28-1760A
TC 2A13	TC 2A13	TC 2A13	TC 2A13	TC 2A13	TC 2A13
CAR 3	CAR 3	CAR 3	CAR 3	CAR 3	CAR 3
Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02
N/A	N/A	N/A	N/A	N/A	N/A
Original	Original	Original	Original	Original	Original

#### CONCORDE BATTERY CORPORATION

## FOR INSTALLATION OF CONCORDE FLA OR VRSLA RG SERIES BATTERY

63	62	61	60	59	58
Piper	Piper	Piper	Piper	Piper	Piper
PA-28-235	PA-28-180	PA-28R-200	PA -28R-200	PA-28R-180	PA-28-140
28E11, 28-7310001 through 28- 7710089	28E-13, 28-7305001 through 28- 7505260	28R-7235001 through 28R - 7635545	28R-35001 through 28R- 35820 and 28R-7135001 through 28R- 7135229	28R-30002 through 28R- 31270 and 28R-7130001 through 28R- 7130013	28-20001 through 28- 26946 and 28-7125001 through 28- 7725290
TC 2A13	TC 2A13	TC 2A13	TC 2A13	TC 2A13	TC 2A13
CAR 3	CAR 3	CAR 3	CAR 3	CAR 3	CAR 3
Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02			
N/A	N/A	N/A	N/A	NA	NA
Original	Original	Original	Original	Original	Original

#### CONCORDE BATTERY CORPORATION

## FOR INSTALLATION OF CONCORDE FLA OR VRSLA RG SERIES BATTERY

68	67	66	65	64
Piper	Piper	Piper	Piper	Piper
PA-28-161	PA-28-161	PA-28-181	PA-28-181	PA-28-151
28-8116001 through 28- 8616057 and 2816001 through 2816109	28-7716001 through 28- 8216300 and 2841001 through 2841365	28-90206 through 28- 90231 and 2843001 and up	28-7690001 through 28- 8690056, 28-8690061, 28-8690062, and 28-90001 through 2890205	28-7415001 through 28- 7715314
TC 2A13	TC 2A13	TC 2A13	TC 2A13	TC 2A13
CAR 3	CAR 3	CAR 3	CAR 3	CAR 3
Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02
N/A	N/A	N/A	N/A	N/A
Original	Original	Original	Original	Original

#### CONCORDE BATTERY CORPORATION

## FOR INSTALLATION OF CONCORDE FLA OR VRSLA RG SERIES BATTERY

73	72	71	70	69
Piper	Piper	Piper	Piper	Piper
PA-28RT-201	PA-28-236	PA-28R-201T	PA-28R-201	PA-28-161
28R-7918001 through 28R- 7918267	28-7911001 through 28- 8611008, 2811001 through 2811050, and 2845001 and up	28R-7703001 through 28R- 7803374 and 2803001 through 2803012	28R-7737002 through 28R- 7837317, 2837001 through 2837061, and 2844001 and up	2816110 through 2816119 and 2842001 and up
TC 2A13	TC 2A13	TC 2A13	TC 2A13	TC 2A13
CAR 3	CAR 3	CAR 3	CAR 3	CAR 3
Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Revision A, dated 12/09/02
NA	N.A.	NA	N.A	Ž
Original	Original	Original	Original	Original

#### CONCORDE BATTERY CORPORATION

### FOR INSTALLATION OF CONCORDE FLA OR VRSLA RG SERIES BATTERY

		*			
79	78	77	76	75	74
Piper	Piper	Piper	Piper	Piper	Piper
PA-31-350 & T-1020	PA-31-300	PA-31	PA-28-201T	PA-28RT- 201T	PA-28RT-201 28R-8018001 through 28R- 8218026
31-5001 through31- 5004, 31-7305005 through 31- 8553002	31-2 through 31-900, 31-7300901 through 31- 8312019	31-2 through 31-900, 31-7300901 through 31- 8312019	28-7921001 through 28- 7921095	28R-7931001 through 28R- 8631005 and 2831001 through 2831038	28R-8018001 through 28R- 8218026
TC A20SO	TC A20SO	TC A20SO	TC 2A13	TC 2A13	TC 2A13
CAR 3 / FAR 23	CAR 3 / FAR 23	CAR 3 / FAR 23	CAR 3	CAR 3	CAR 3
Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02
N/A	N/A	N/A	N/A	N/A	NA
Original	Original	Original	Original	Original	Original

#### CONCORDE BATTERY CORPORATION

## FOR INSTALLATION OF CONCORDE FLA OR VRSLA RG SERIES BATTERY

85	84	83	82	8	80
Piper	Piper	Piper	Piper	Piper	Piper
PA-32RT-300	PA-32R-300	PA-32S-300	PA-32-300	PA-32-260	PA-31-325 C/R
32R-7885002 through 32R- 7985106	32R-7680001 through 7880068	32S-15, 32S- 40000 through 32S-40974 and 32S-7140001 through 32S- 7240137	32-15, 32-21, 4000 through 32-40974 and 32-7140001 through 32- 7940290	32-03, 32-04, 32-1 through 32-1297 and 32-7100001 through 32- 7800008	31-7400990, 31-7512001 through 8312019
TC A3SO	TC A3SO	TC A3SO	TC A3SO	TC A3SO	TC A20SO
CAR 3	CAR 3	CAR 3	CAR 3	CAR 3	CAR 3 / FAR 23
Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02
N/A	N/A	N/A	N/A	N/A	Z
Original	Original	Original	Original	Original	Original

#### CONCORDE BATTERY CORPORATION

## FOR INSTALLATION OF CONCORDE FLA OR VRSLA RG SERIES BATTERY

Issue Date: February 25, 2003

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89	88	87	86
Piper	Piper	Piper	Piper
PA -32R- 301T	PA-32R-301	PA32R-301	PA-32RT- 300T
32R-8029001 through 32R- 86-32009 and 3229001 through 3229003	3213029, 3213042 through 3213103 (14 volt) 3246001 through 3246017 (14 volt) and 3246018 and up (28 volt)	32R-8013001 through 32R— 8613006, 3213001 through 3213028 and 3213030 through 3213041	32R-7787001, 32R-7887002 through 32R- 7987126
TC A3SO	TC A3SO	TC A3SO	TC A3SO
CAR 3	CAR 3	CAR 3	CAR 3
Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02
A/N	N/A	N/A	N/A
Original	Original	Original	Original

#### CONCORDE BATTERY CORPORATION

## FOR INSTALLATION OF CONCORDE FLA OR VRSLA RG SERIES BATTERY

98	97	96	95	94	93	92	91	90
Piper								
PA-36-375	PA-36-300	PA-36-285	PA-36-375	PA-36-300	PA-36-285	PA-32R-301T	PA-32-301T	PA-32-301
36-7802001 through 36- 8302025	36-7560001 through 36- 8160023	36-7360001 through 36- 7660135	36-7802001 through 36- 8302025	36-7560001 through 36- 8160023	36-7360001 through 36- 7660135	3257001 and up	32-8024001 through 32- 8424002	32-8006002 through 32- 8606023 and 3206001 through 3206019
TC A10SO	TC A10SO	TC A10SO	TC A9SO	TC A9SO	TC A9SO	TC A3SO	TC A3SO	TC A3SO
FAR 23	CAR 3	CAR 3	CAR 3					
Drawing No. 5-0157, Revision A, dated 12/09/02								
N/A								
Original								

#### CONCORDE BATTERY CORPORATION

## FOR INSTALLATION OF CONCORDE FLA OR VRSLA RG SERIES BATTERY

104	103	102	101	100	99
Piper	Piper	Piper	Piper	Piper	Piper
PA-46-350P	PA-46-310P	PA-44-180T TURBO	PA-44-180	PA-44-180	PA-38-112
4622001 through 4622200 4636001 and	46-8408001 through 46- 8408087 46-8508001 through 46- 8508109 46-8608001 through 46- 8608067 4608001 through 4608140	44-8107001 through 44- 8207020	44-95001 through 44- 95013, 44-96001 and up	44-7995001 through 44- 8195026	38-78A0001 through 32- 82A0122
TC A25SO	TC A25SO	TC A19SO	TC A19SO	TC A19SO	TC A18SO
FAR 23	FAR 23	FAR 23	FAR 23	FAR 23	FAR 23
Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02
NA	N/A	N/A	N/A	N/A	N/A
Original	Original	Original	Original	Original	Original

#### CONCORDE BATTERY CORPORATION

## FOR INSTALLATION OF CONCORDE FLA OR VRSLA RG SERIES BATTERY

X						
11	110	109	108	107	106	105
Piper	Piper	Piper	Piper	Piper	Piper	Piper
PA-34-220T	PA-34-220T	PA-34-200T	PA-34-200	PA-40	PA-39	PA-30
3448038 through 3448079 3447001 through 3447029	34-8133001 through 34- 8633031 (14V) 3433001 through 3433172 (14V) 3448001 through 3448037 (28V)	34-750001 through 34- 8170092	34-ER, 34- 7250001 through 34- 7450220	40-7400002	39-1 through 39-162	30-1 through 30-2000
TC A7SO	TC A7SO	TC A7SO	TC A7SO	TC A1EA	TC A1EA	TC A1EA
FAR 23	FAR 23	FAR 23	FAR 23	CAR 3 also FAR 23	CAR 3 also FAR 23	CAR 3 also FAR 23
Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02
N/A	N/A	N/A	N/A	N/A	N/A	N/A
Original	Original	Original	Original	Original	Original	Original

#### CONCORDE BATTERY CORPORATION

## FOR INSTALLATION OF CONCORDE FLA OR VRSLA RG SERIES BATTERY

15	114	113	112
Piper	Piper	Piper	Piper
PA-60-601P	PA-60-601	PA-60-600	PA-34-220T
61P-0157-001 thru 61P- 0860- 8163456, 60- 8263001 and subsequent.	SN 61-0001 thru 61-0002- 19 thru 61- 0070-129, 61- 0132-071 thru 61-0880- 8162157, 60- 82620001 and subseqent and 62-0001-013.	60-0001 thru 60-0014, 60- 0015-26 thru 60-0056-126, 60-0130-057 thru 60-0933- 8161262, 60- 8261001 and subsequent.	3449001 and up.
A17WE	A17WE	A17WE	TC A7SO
FAR 23	FAR 23	FAR 23	FAR 23
Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02
N/A	N/A	N/A	N/A
Original	Original	Original	Original

#### CONCORDE BATTERY CORPORATION

### FOR INSTALLATION OF CONCORDE FLA OR VRSLA RG SERIES BATTERY

Issue Date: February 25, 2003

117	117
Piper	Piper
PA-60-602P 62P-0750- 8165001, 62 0861-81650 thru 62P- 0932- 8165056, 60 8265001 and subsequent. PA-60-700P 60-8223001	PA-60-700P
62P-0750- 8165001, 62(- 0861-8165002 thru 62P- 0932- 8165056, 60- 8265001 and subsequent. 60-8223001, 60-8423001	60-8223001, 60-8423001 and up.
A17WE	A17WE
FAR 23	FAR 23
Drawing No. 5-0157, Revision A, dated 12/09/02  Drawing No. 5-0157, Revision A, dated 12/09/02	Drawing No. 5-0157, Revision A, dated 12/09/02
N/A	N/A
Original	Original

FAA Approved:

Program Manager Wichita Aircraft Certification Office